FIG. 1

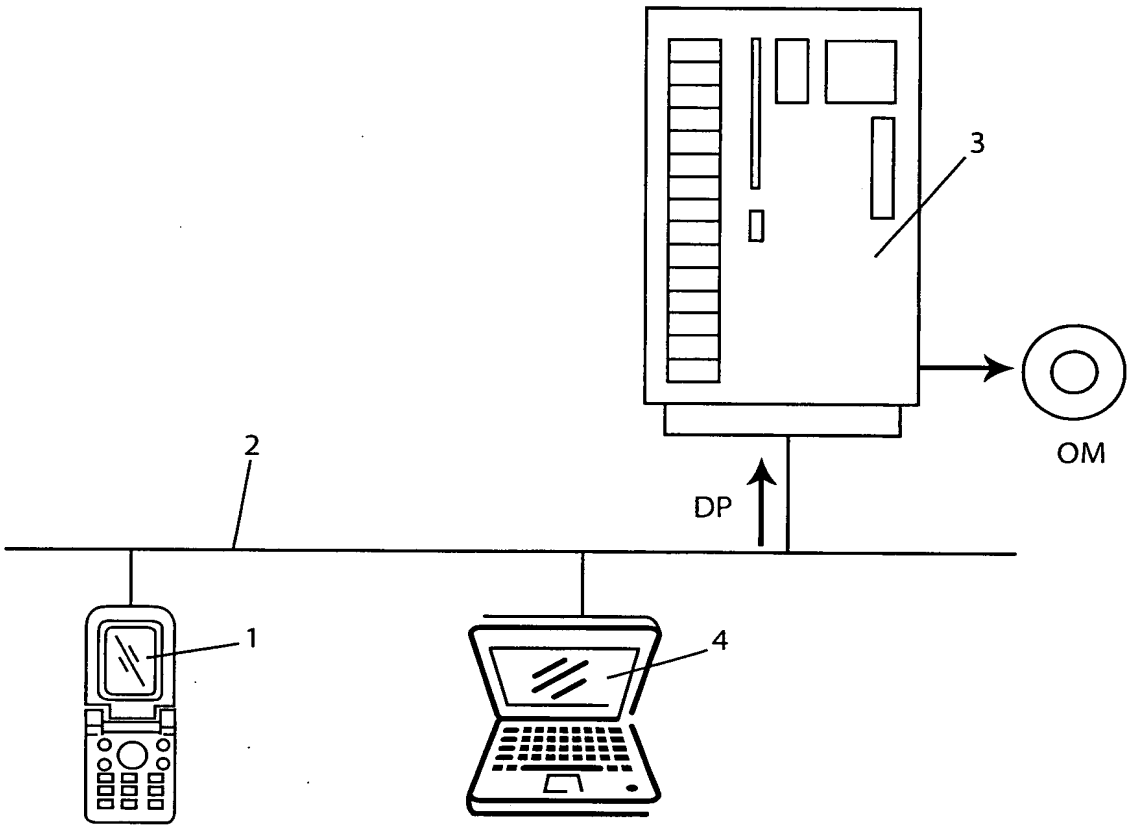


FIG. 11

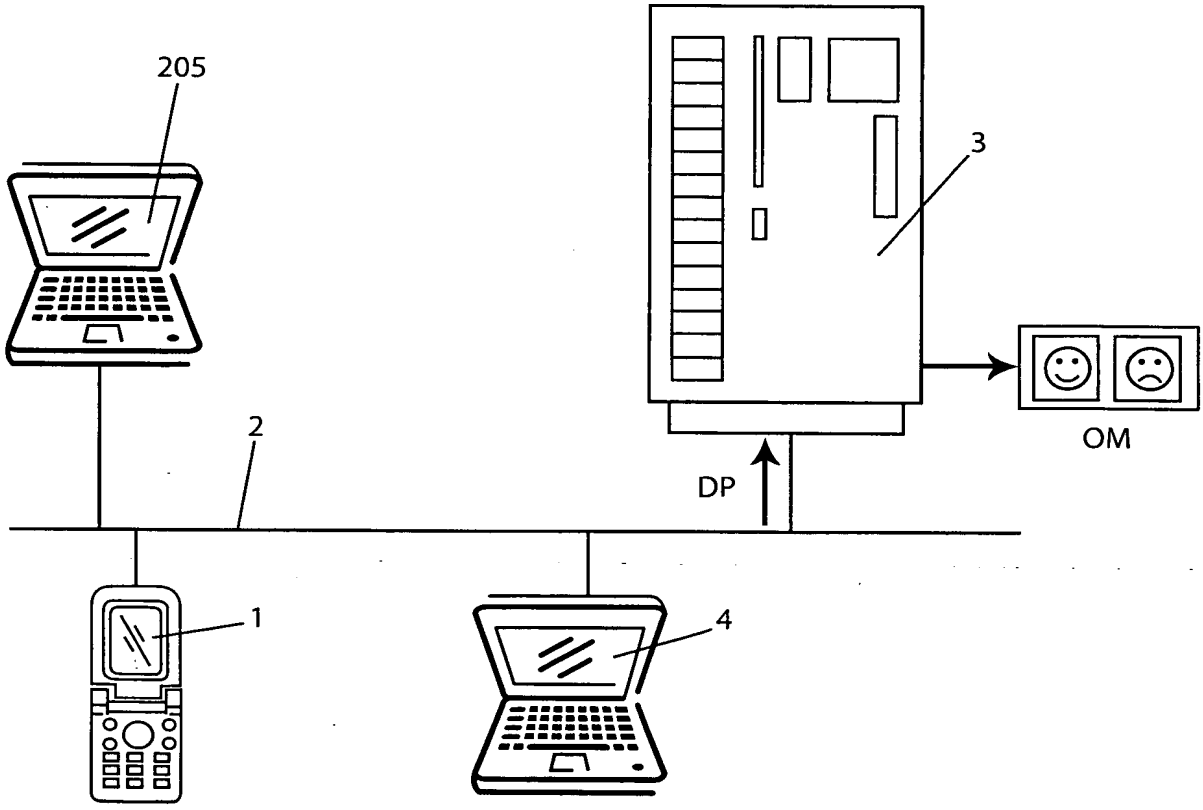


FIG. 2

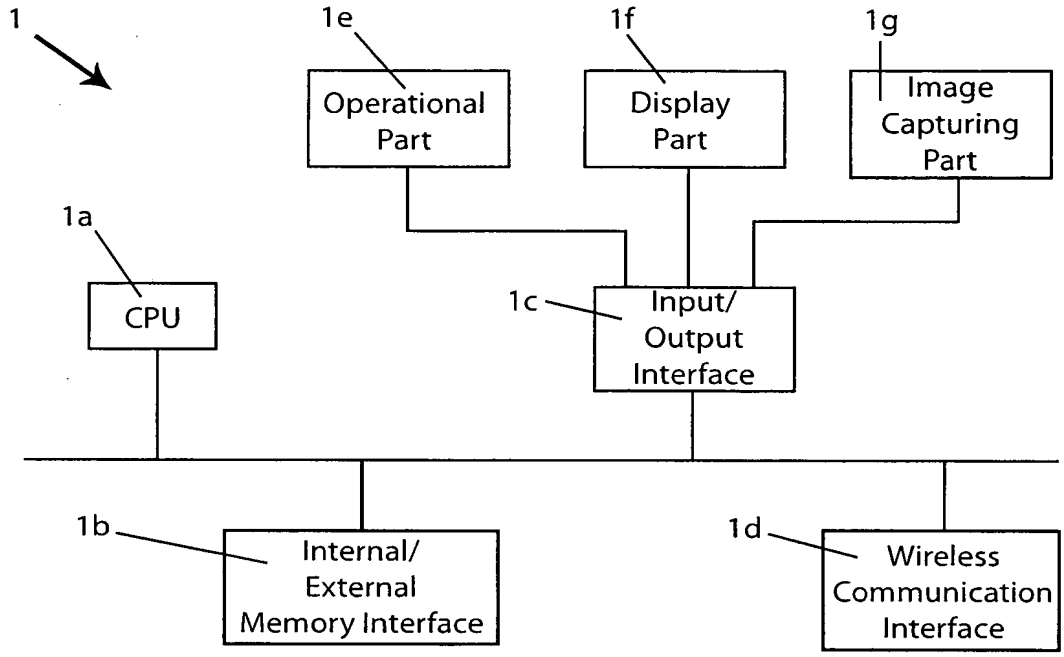
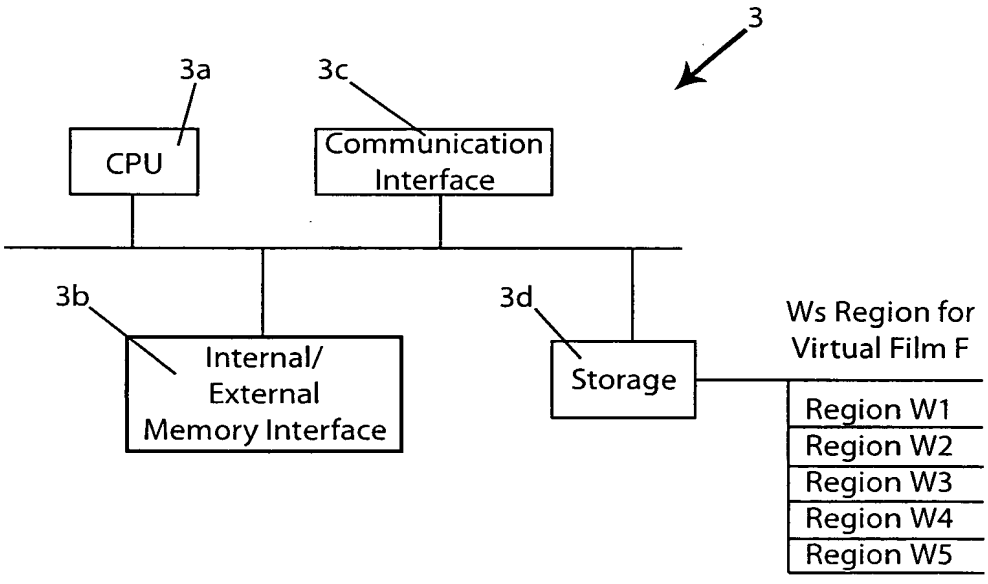

1
1e
Operational Part
1f
Display Part
1g
Image Capturing Part
1a
CPU
1c
Input/ Output Interface
1b
Internal/ External Memory Interface
1d
Wireless Communication Interface

FIG. 5


3
3a
CPU
3c
Communication Interface
3b
Internal/ External Memory Interface
3d
Storage
Ws Region for Virtual Film F
Region W1
Region W2
Region W3
Region W4
Region W5

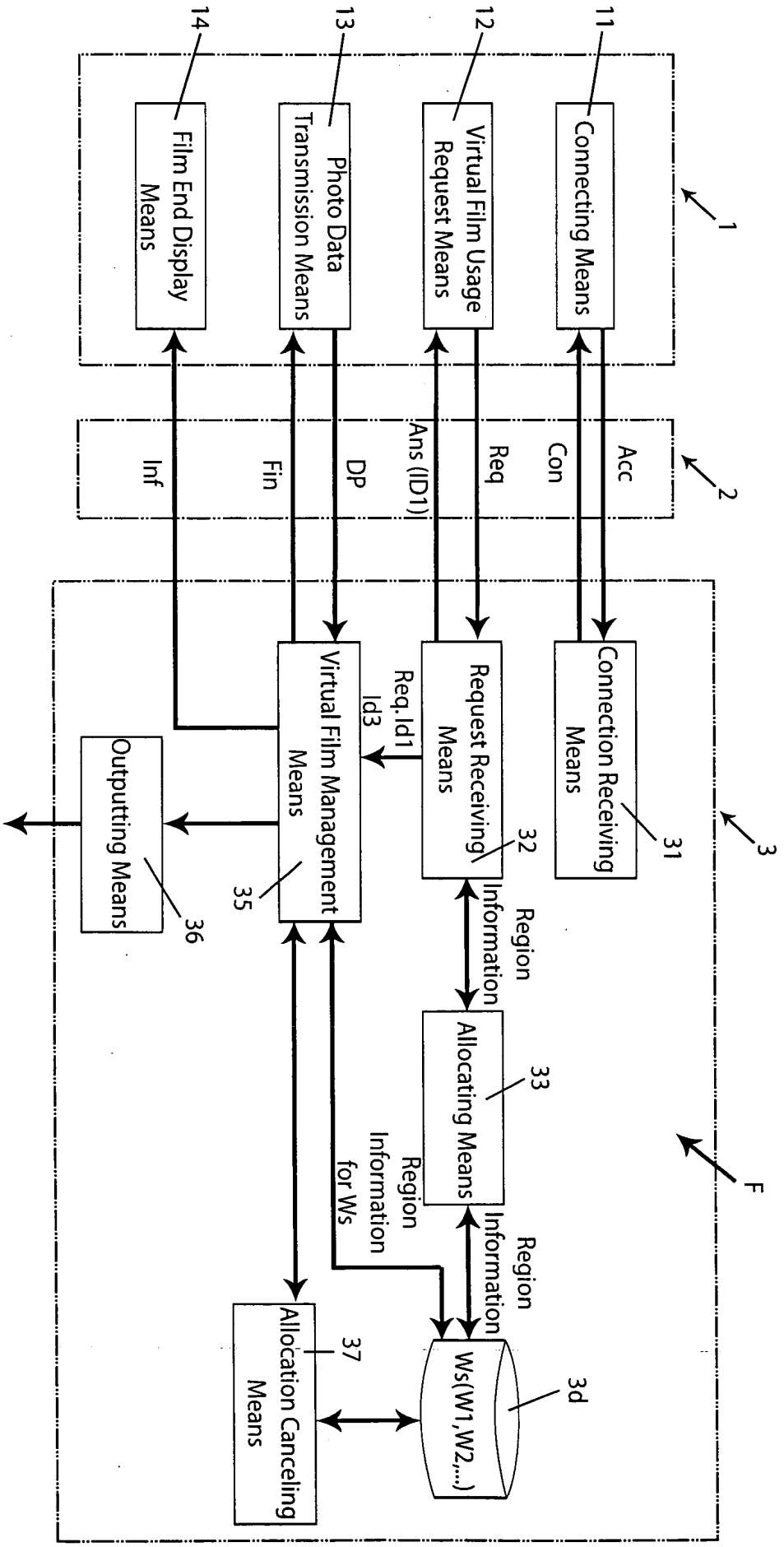

1
11
Connecting Means
12
Virtual Film Usage Request Means
13
Photo Data Transmission Means
14
Film End Display Means
2
Acc
Con
Req
Ans (ID1)
DP
Fin
Inf
3
31
Connection Receiving Means
32
Request Receiving Means
Req.Id1
Id3
35
Virtual Film Management Means
36
Outputting Means
Information
Region
33
Allocating Means
Region Information for Ws
Information
Region
37
Allocation Canceling Means
3d
Ws(W1,W2,...)
F

FIG. 3

FIG. 4

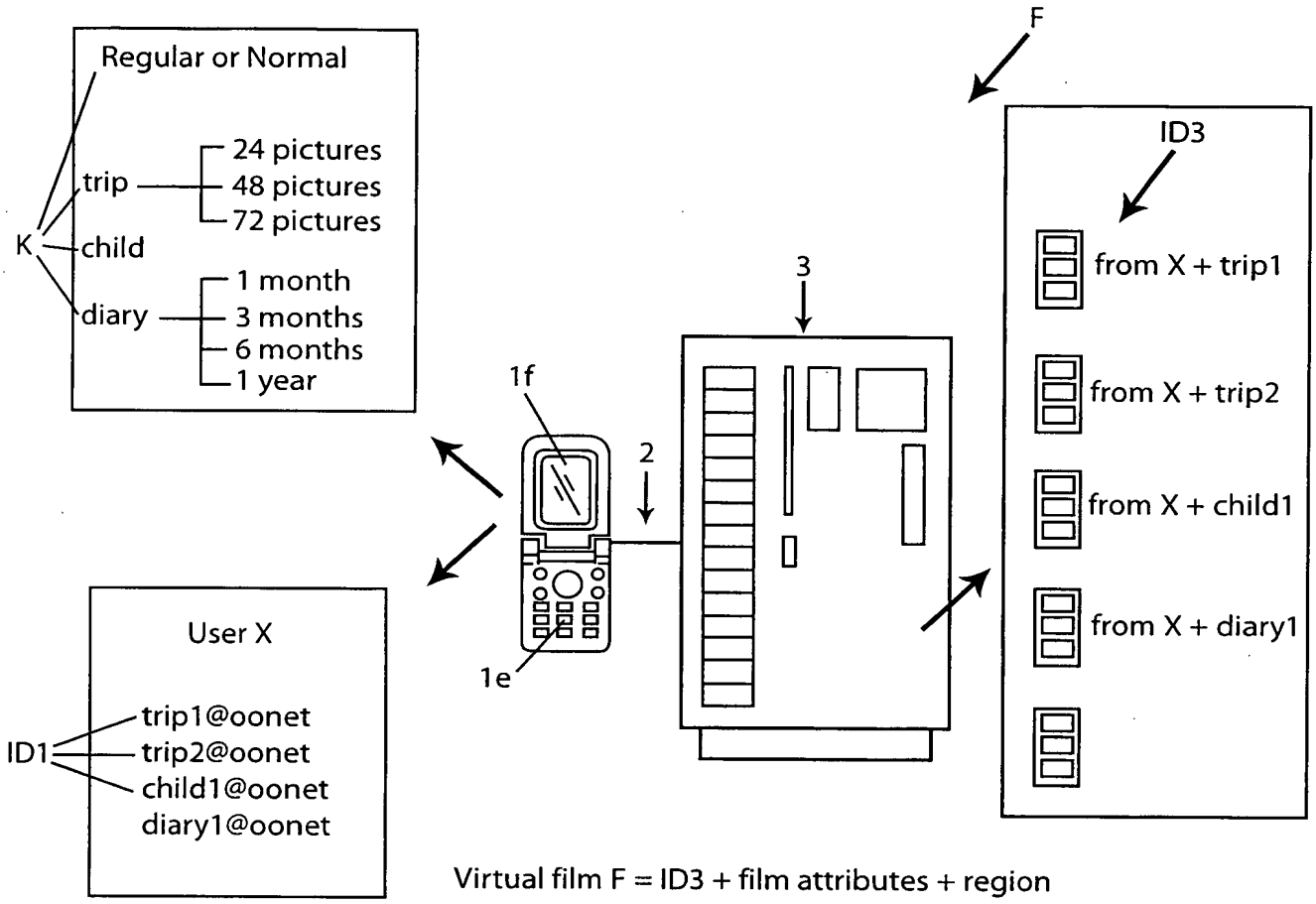

Regular or Normal
K
trip
24 pictures
48 pictures
72 pictures
child
diary
1 month
3 months
6 months
1 year
F
ID3
from X + trip1
from X + trip2
from X + child1
from X + diary1
3
1f
2
1e
User X
ID1
trip1@oonet
trip2@oonet
child1@oonet
diary1@oonet
Virtual film F = ID3 + film attributes + region

FIG. 6a

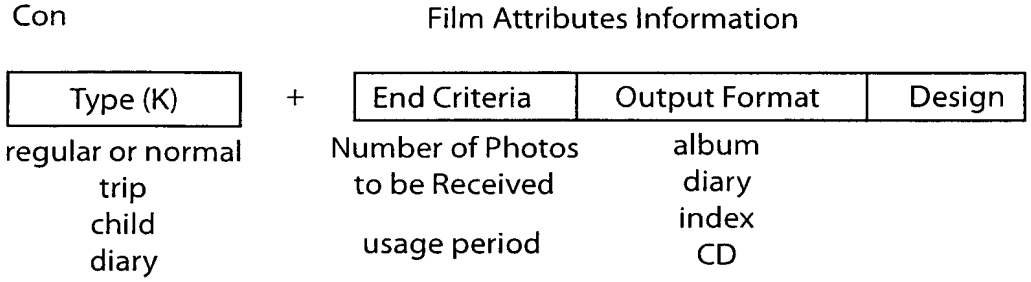


FIG. 6b

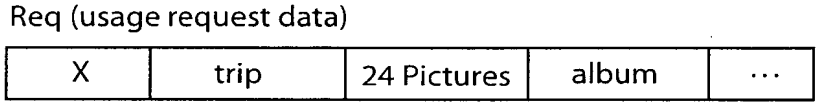


FIG. 6c

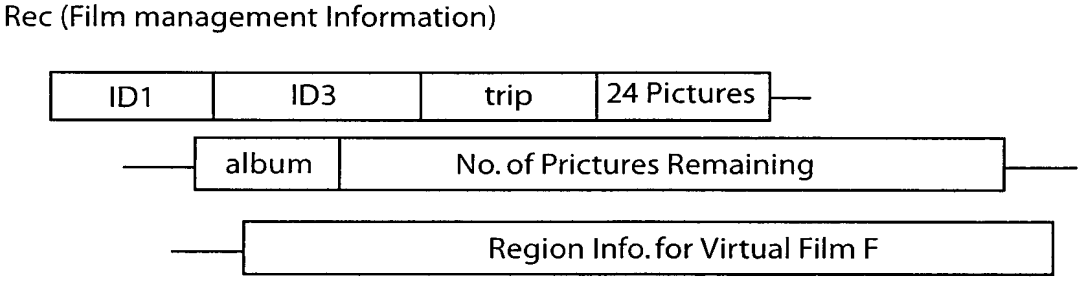


FIG. 6d

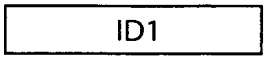


FIG. 6e

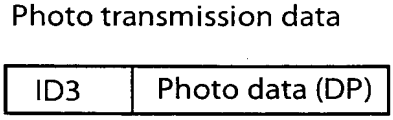


FIG. 7

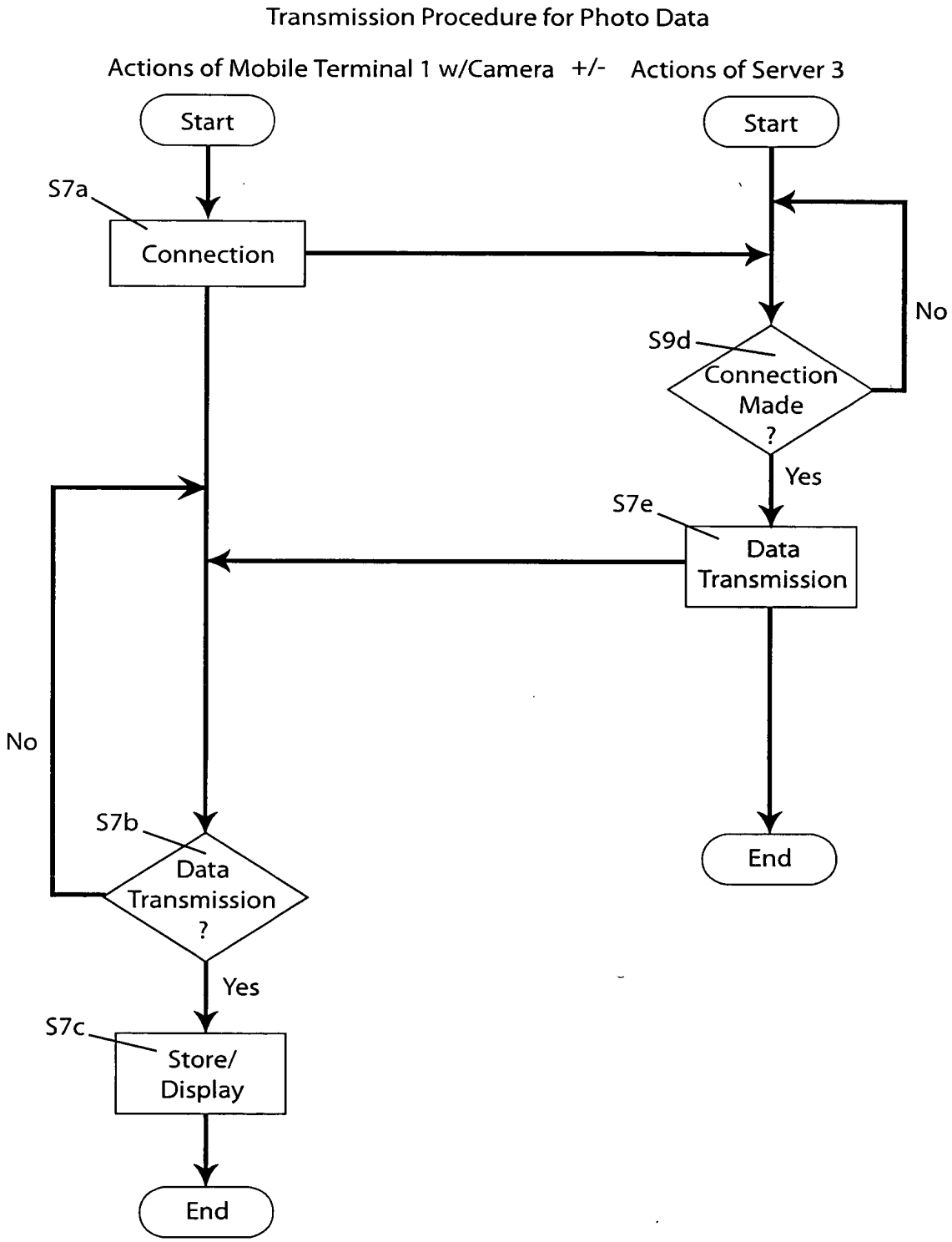

Transmission Procedure for Photo Data
Actions of Mobile Terminal 1 w/Camera
+/-
Actions of Server 3
Start
Start
S7a
Connection
No
S9d
Connection Made ?
Yes
S7e
Data Transmission
No
S7b
Data Transmission ?
End
Yes
S7c
Store/ Display
End

FIG. 8

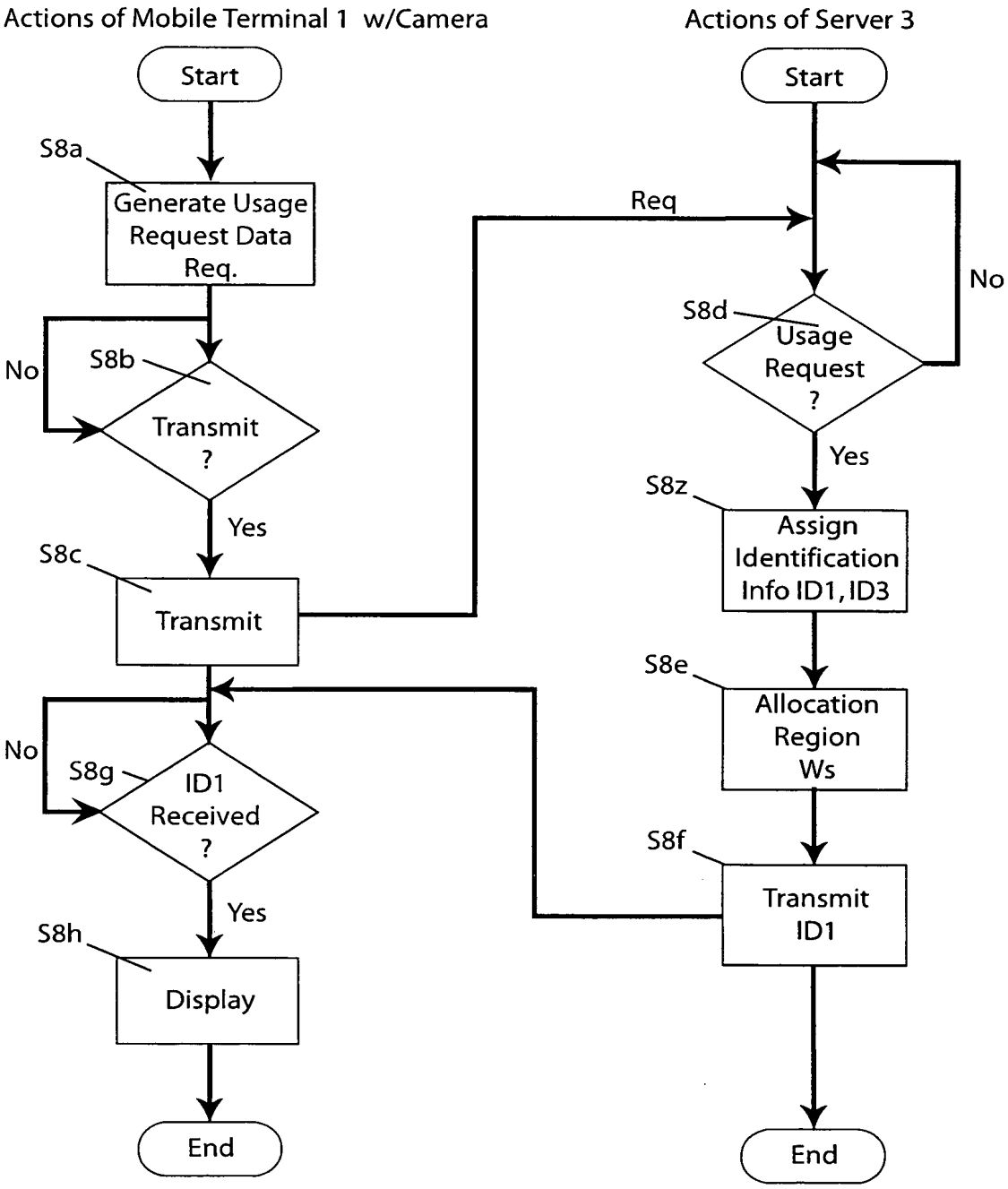

Actions of Mobile Terminal 1 w/Camera
Actions of Server 3
Start
S8a
Generate Usage Request Data Req.
No
S8b
Transmit ?
Yes
S8c
Transmit
Req
No
S8d
Usage Request ?
Yes
S8z
Assign Identification Info ID1, ID3
S8e
Allocation Region Ws
S8f
Transmit ID1
No
S8g
ID1 Received ?
Yes
S8h
Display
End
Start
End

FIG. 9

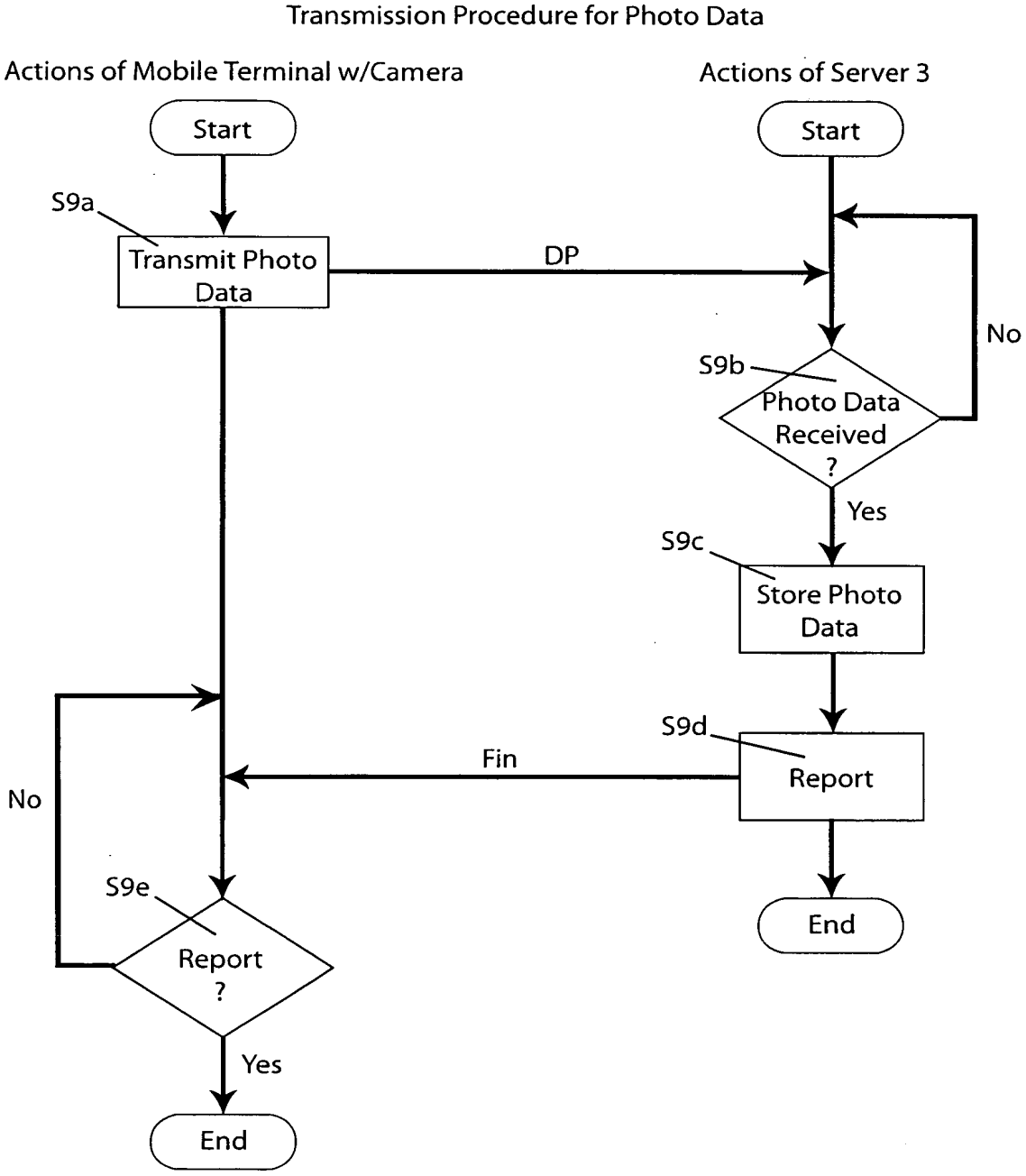

Transmission Procedure for Photo Data
Actions of Mobile Terminal w/Camera
Actions of Server 3
Start
Start
S9a
Transmit Photo Data
DP
No
S9b
Photo Data Received ?
Yes
S9c
Store Photo Data
S9d
Report
Fin
No
S9e
Report ?
End
Yes
End

FIG. 10

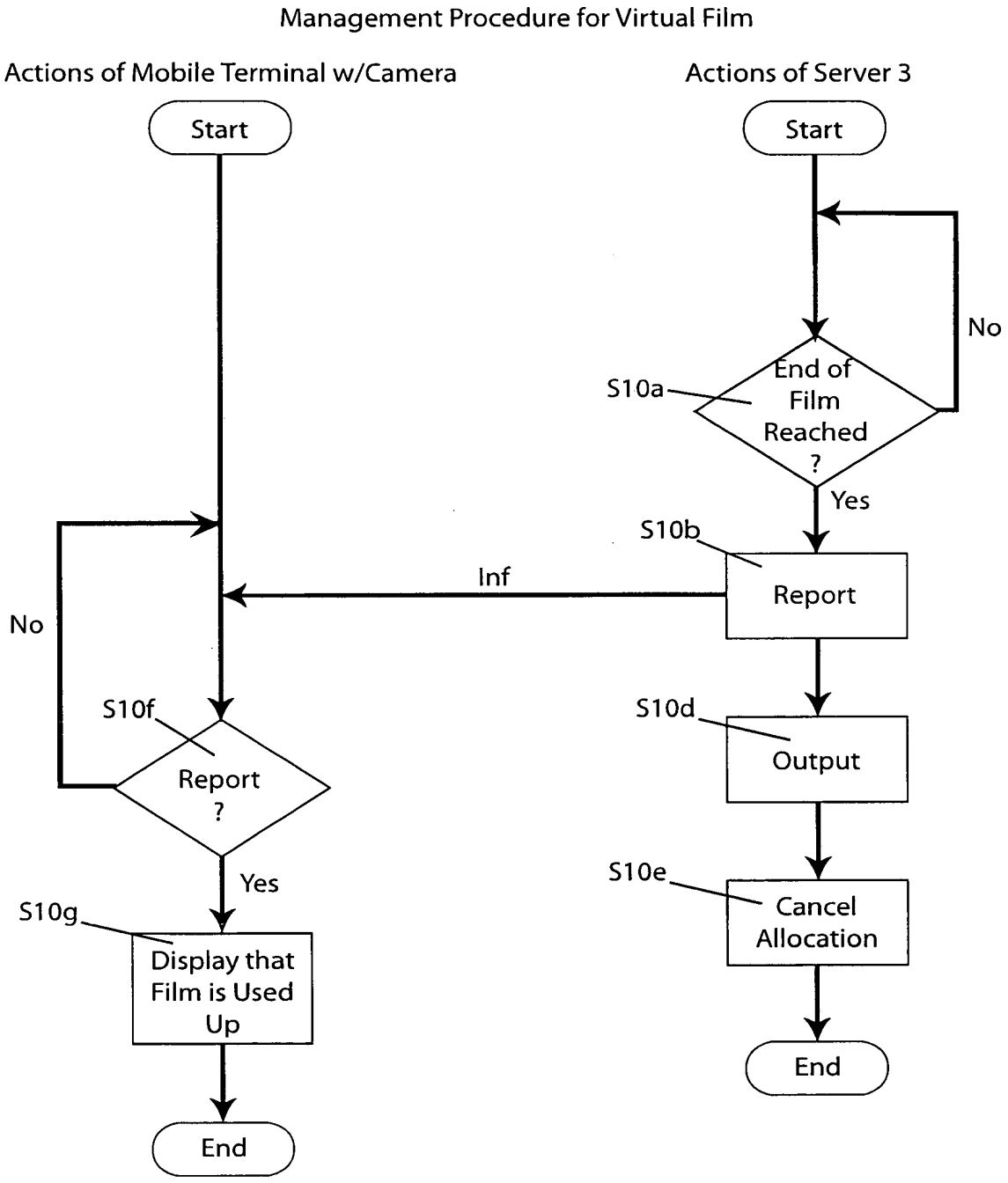

Management Procedure for Virtual Film
Actions of Mobile Terminal w/Camera
Actions of Server 3
Start
Start
No
S10a
End of Film Reached ?
Yes
S10b
Report
Inf
No
S10f
Report ?
S10d
Output
Yes
S10e
Cancel Allocation
S10g
Display that Film is Used Up
End
End

FIG. 12

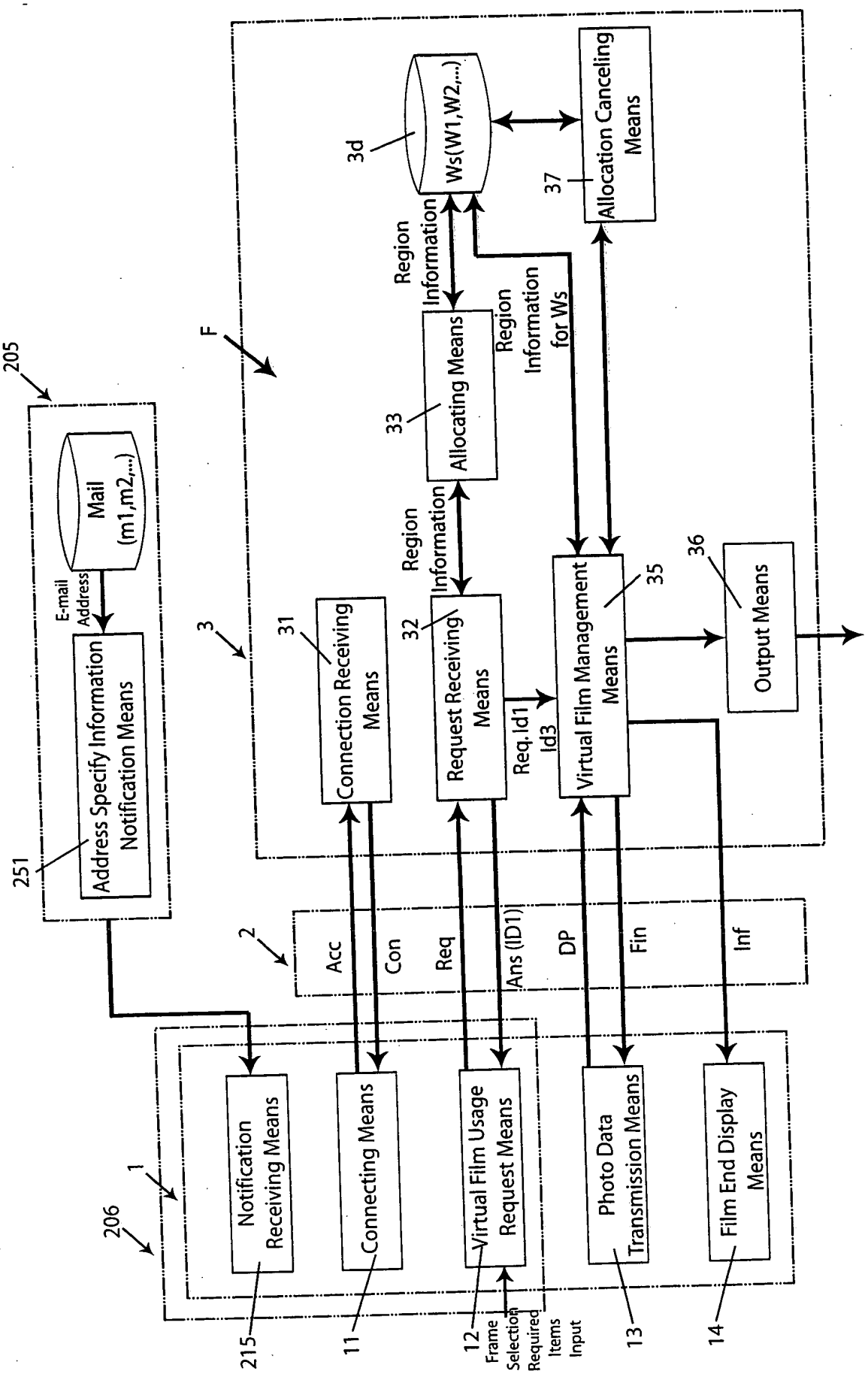

205
Mail (m1,m2,...)
E-mail Address
Address Specify Information Notification Means
251
206
1
Notification Receiving Means
215
Connecting Means
11
Virtual Film Usage Request Means
12
Frame Selection Required Items Input
Photo Data Transmission Means
13
Film End Display Means
14
2
Acc
Con
Req
Ans (ID1)
DP
Fin
Inf
F
3
31
Connection Receiving Means
32
Request Receiving Means
Req.Id1
Id3
Virtual Film Management Means
35
36
Output Means
Region Information
33
Allocating Means
Region Information for Ws
3d
Ws(W1,W2,...)
37
Allocation Canceling Means

FIG. 13

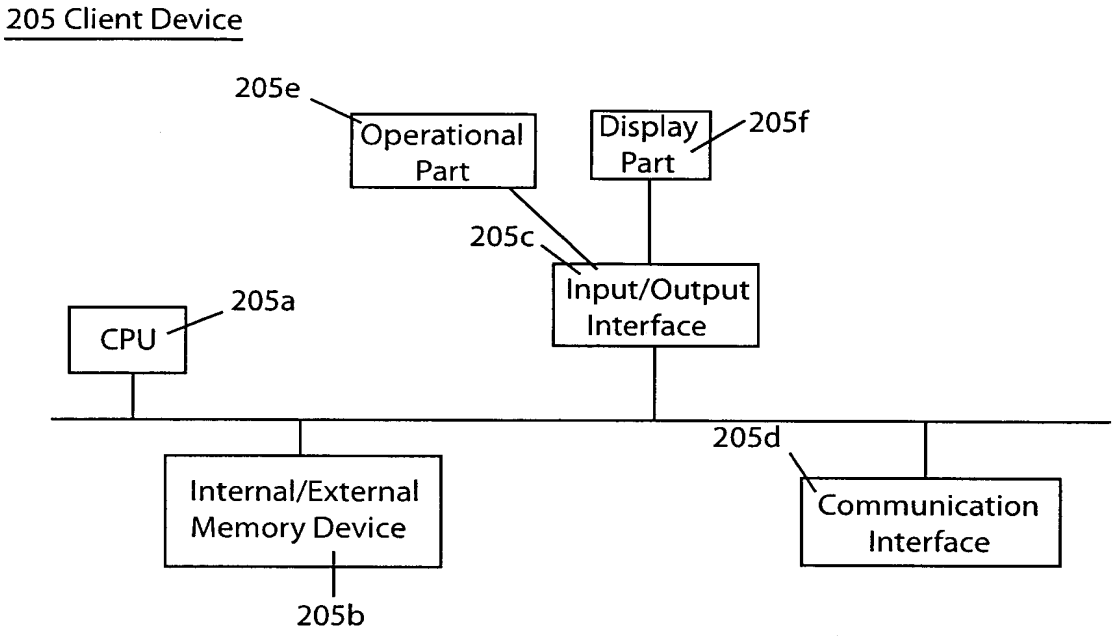


FIG. 14

Adr Address Specifying Information

http://www.OOOnet.com/x x x.html

FIG. 19

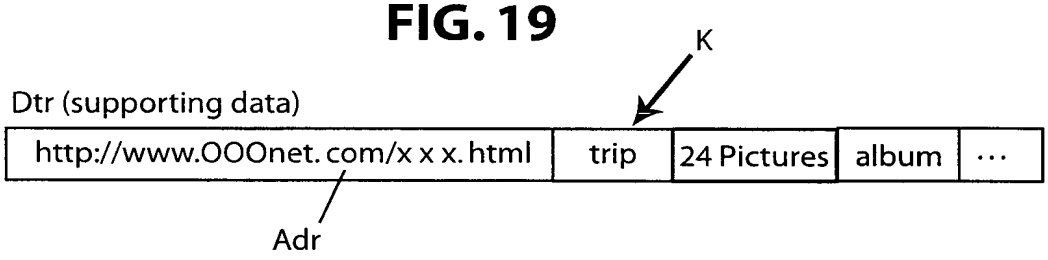


FIG. 15

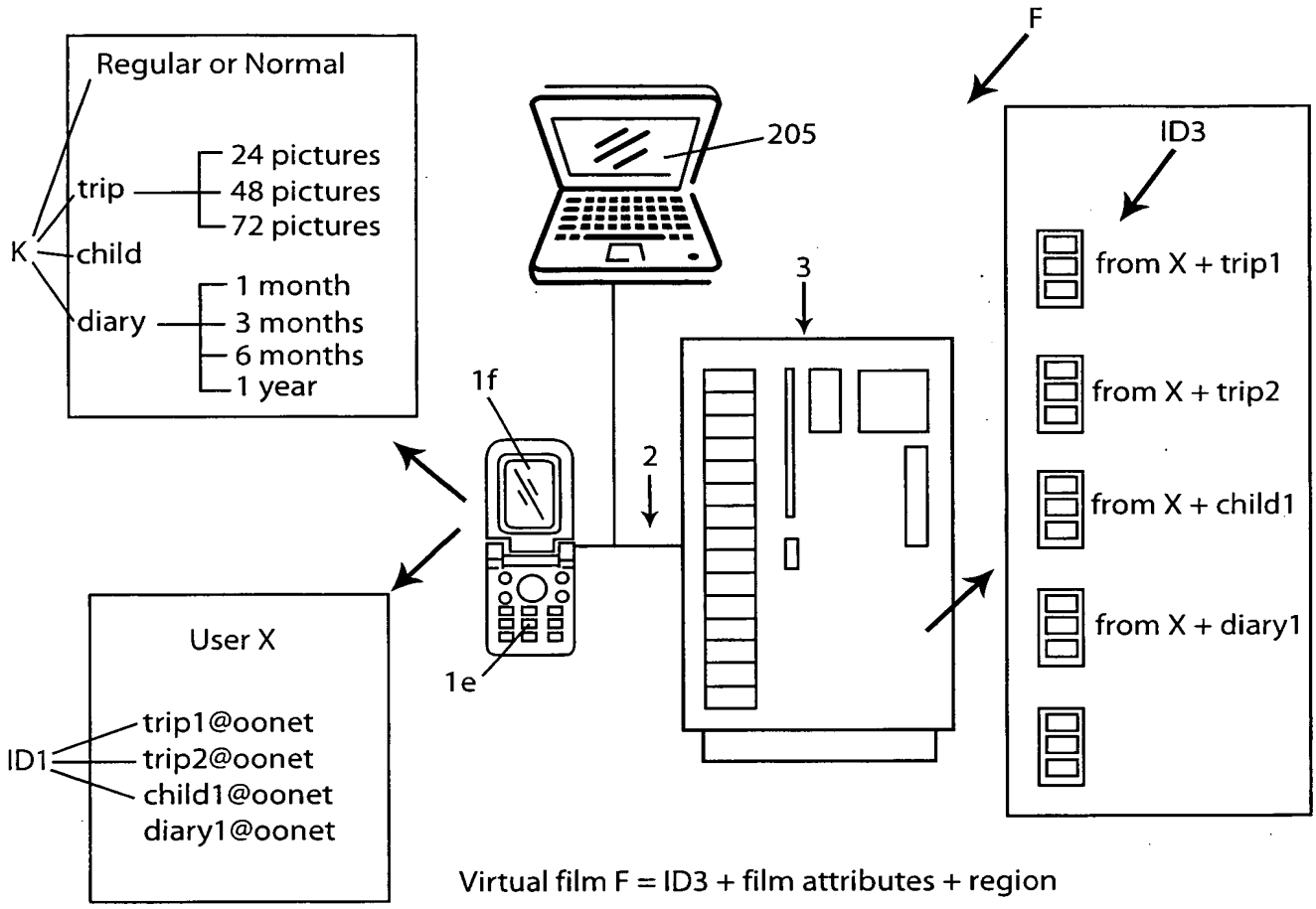

Regular or Normal
trip
24 pictures
48 pictures
72 pictures
K
child
diary
1 month
3 months
6 months
1 year
205
F
ID3
3
from X + trip1
from X + trip2
from X + child1
from X + diary1
1f
2
1e
User X
ID1
trip1@oonet
trip2@oonet
child1@oonet
diary1@oonet
Virtual film F = ID3 + film attributes + region

FIG. 16

Address Specifying Information Notification Procedure

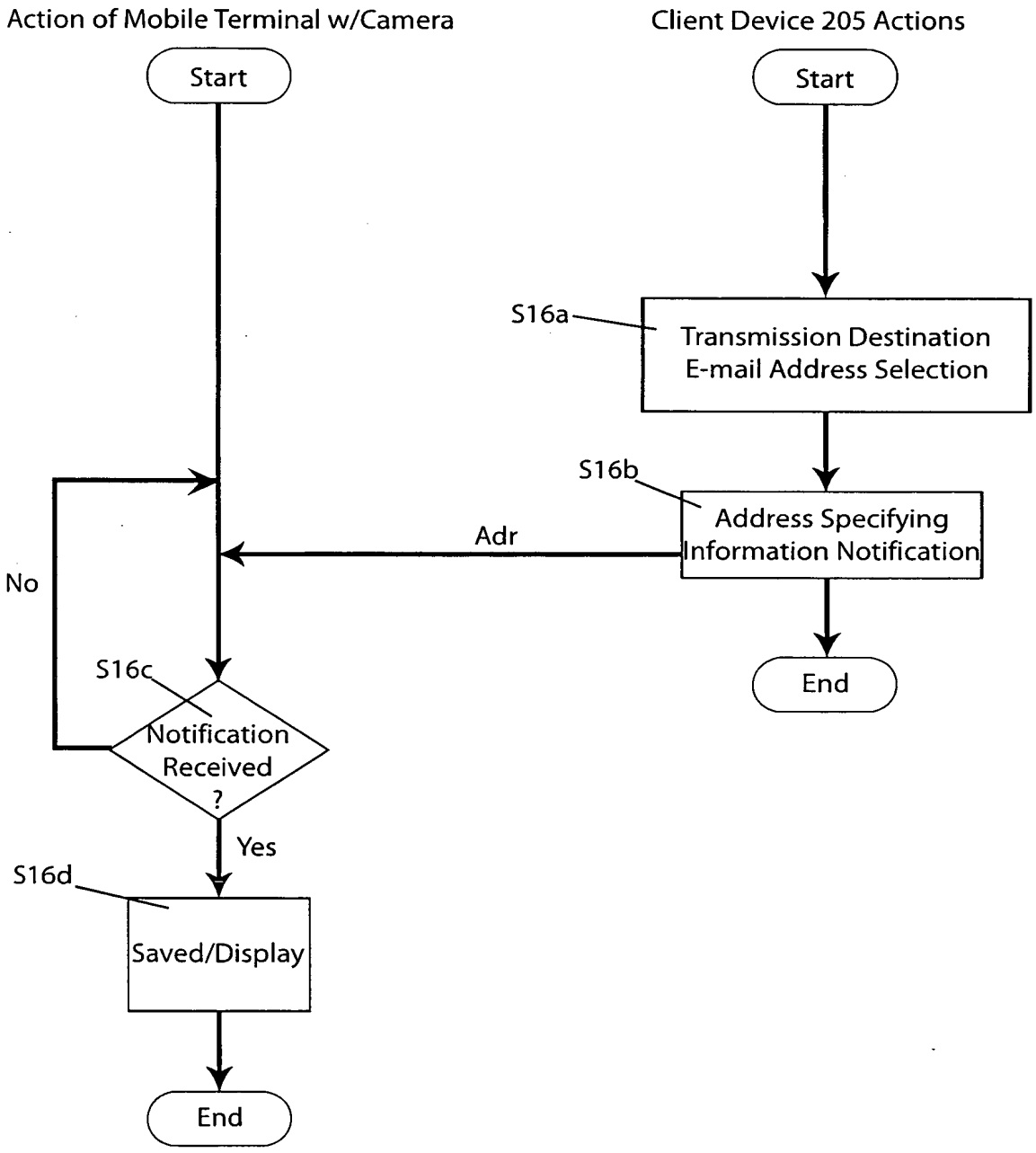


FIG. 17

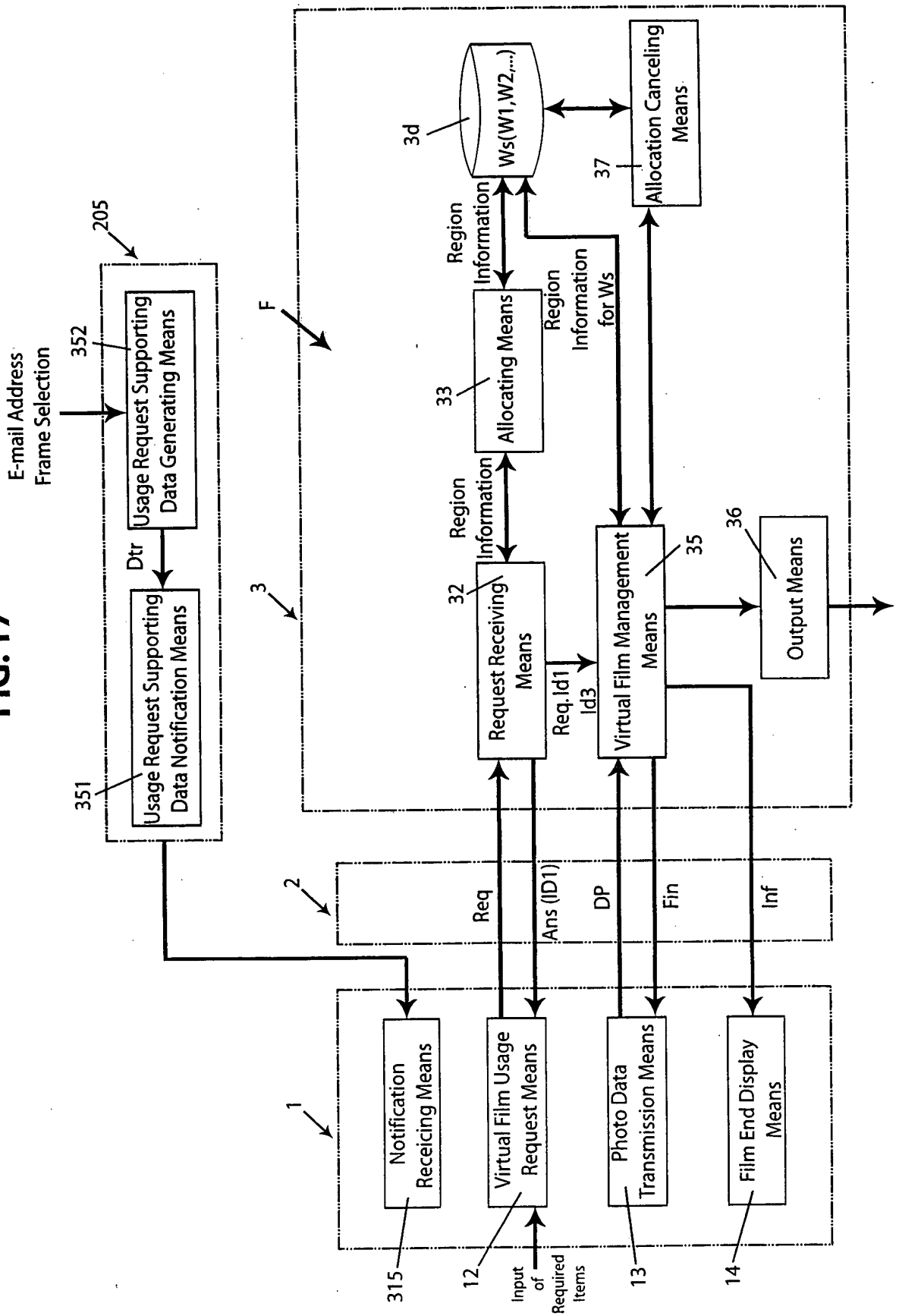

E-mail Address
Frame Selection
205
352
Usage Request Supporting Data Generating Means
Dtr
Usage Request Supporting Data Notification Means
351
F
3
3d
Ws(W1,W2,...)
Allocation Canceling Means
37
Region Information
Region Information for Ws
33
Allocating Means
Region Information
32
Request Receiving Means
Req.Id1
Id3
Virtual Film Management Means
35
36
Output Means
2
Req
Ans (ID1)
DP
Fin
Inf
1
Notification Receiving Means
Virtual Film Usage Request Means
Photo Data Transmission Means
Film End Display Means
315
12
Input of Required Items
13
14

FIG. 18

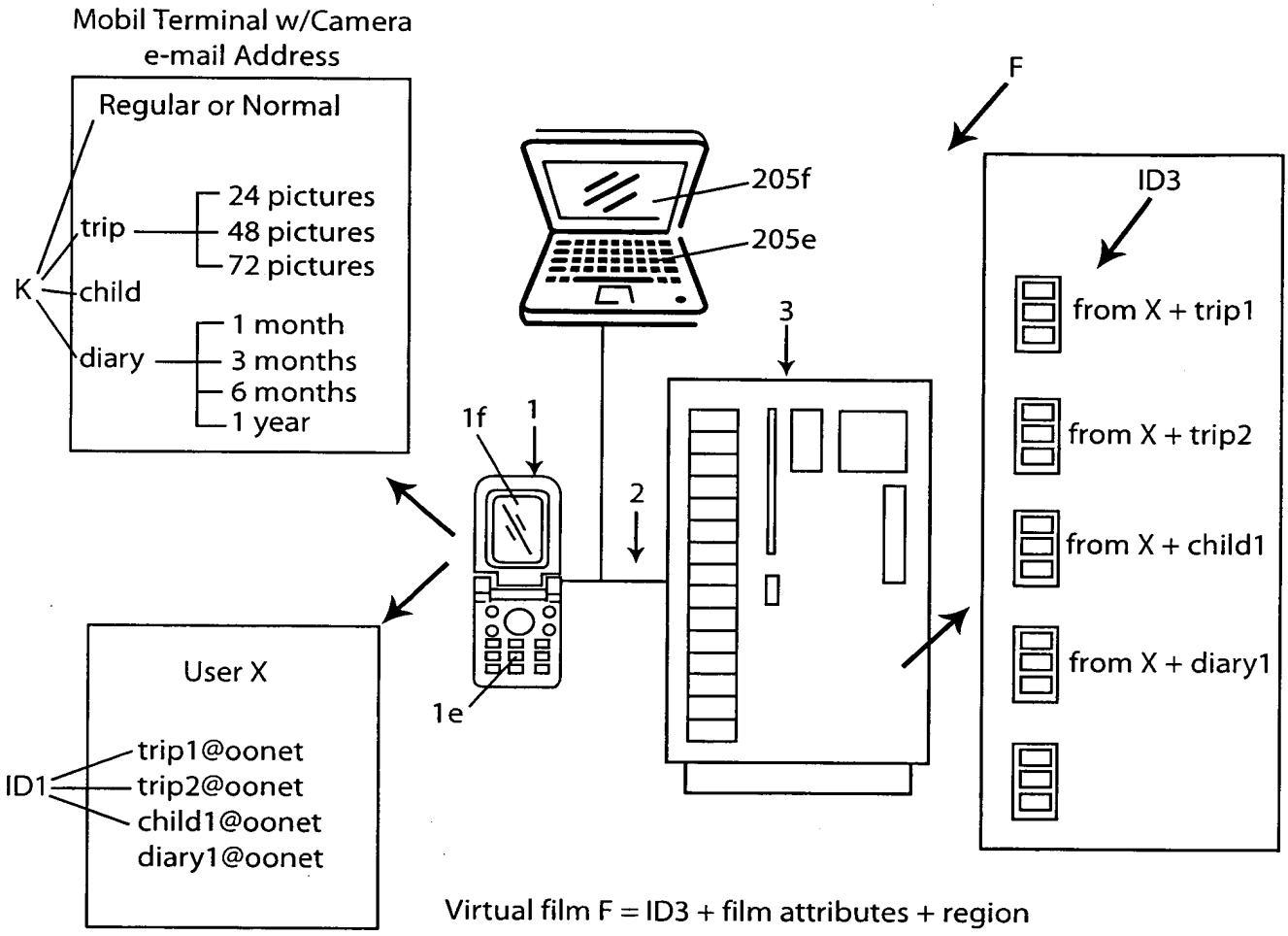
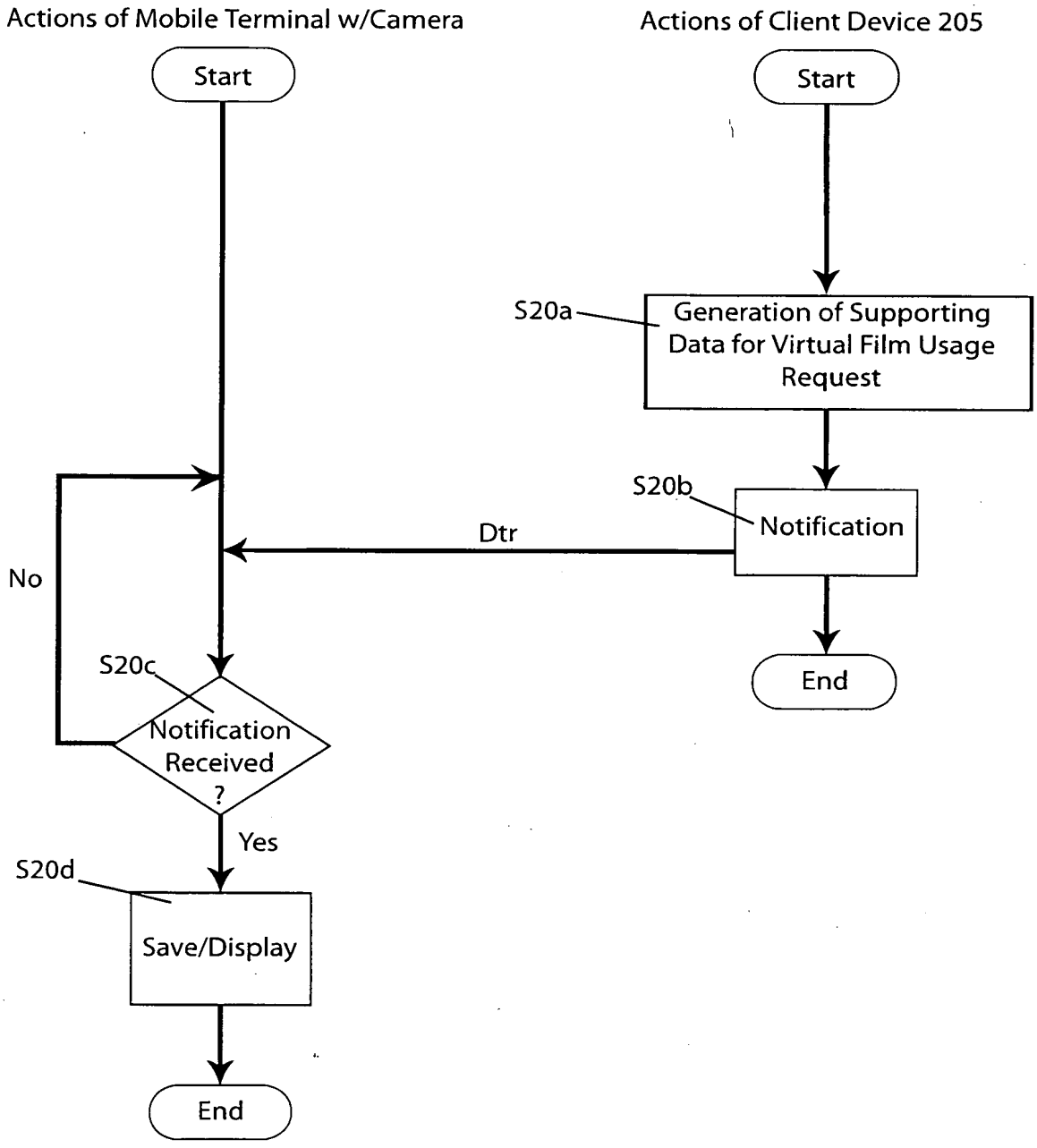

Mobil Terminal w/Camera
e-mail Address
Regular or Normal
K
trip
24 pictures
48 pictures
72 pictures
child
diary
1 month
3 months
6 months
1 year
F
205f
205e
ID3
3
from X + trip1
from X + trip2
from X + child1
from X + diary1
1f
1
2
1e
User X
ID1
trip1@oonet
trip2@oonet
child1@oonet
diary1@oonet
Virtual film F = ID3 + film attributes + region

FIG. 20

Virtual Usage Request Supporting Data Notification Procedure



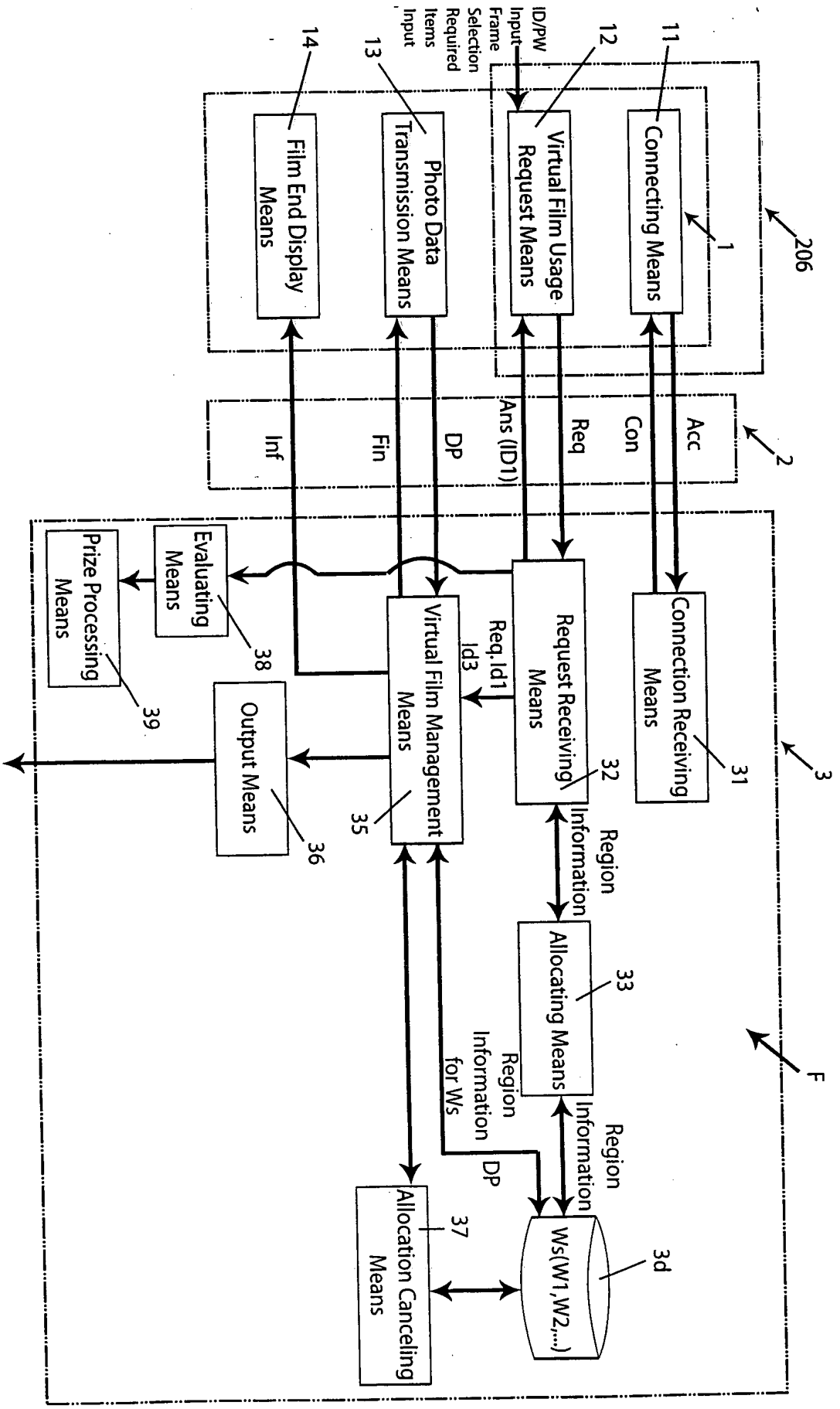

206
1
Connecting Means
11
Virtual Film Usage Request Means
12
Photo Data Transmission Means
13
Film End Display Means
14
ID/PW Input
Frame Selection
Required Items Input
2
Acc
Con
Req
Ans (ID1)
DP
Fin
Inf
3
Connection Receiving Means
31
Request Receiving Means
32
Virtual Film Management Means
35
Output Means
36
Evaluating Means
38
Prize Processing Means
39
Req.Id1
Id3
Region Information
Allocating Means
33
Region Information for Ws
DP
Region Information
Allocation Canceling Means
37
Ws(W1,W2,...)
3d
F

FIG. 21

FIG. 22a

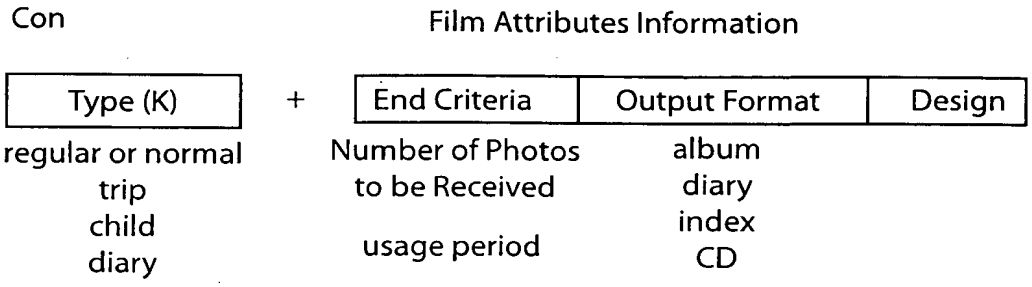


FIG. 22b

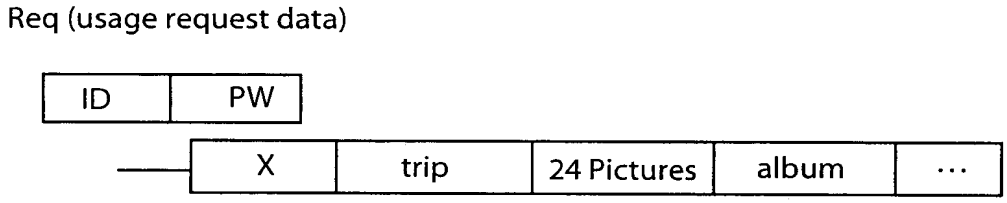


FIG. 22c

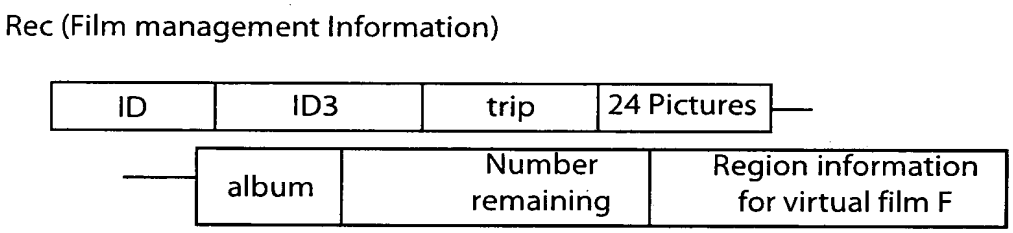


FIG. 22d

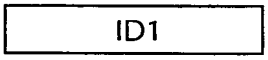


FIG. 22e

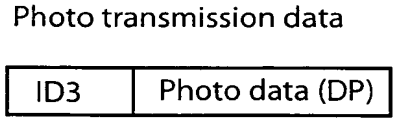
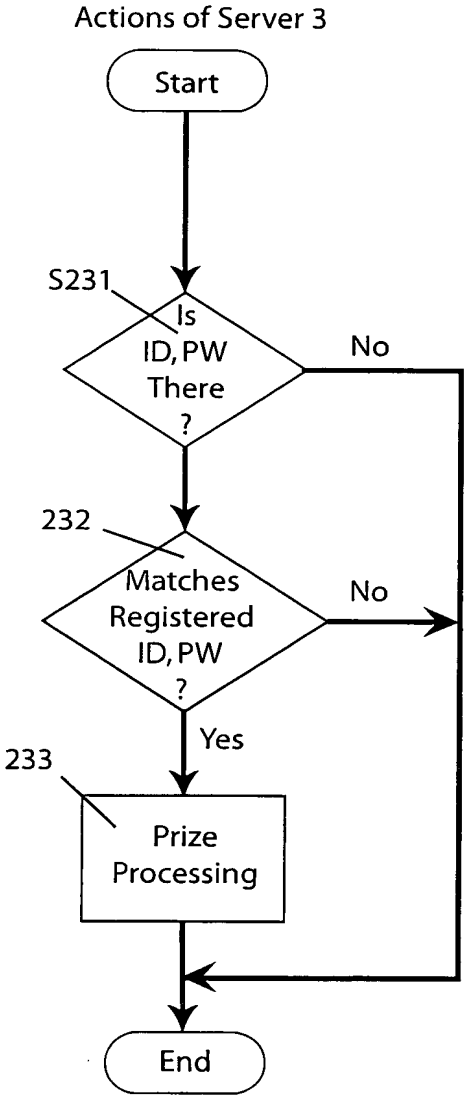


FIG. 23

Prize Processing Procedure